

Driverless High Voltage LED Tape & Strip Light Specification Sheet



KEY HIGHLIGHTS

The High Voltage LED Strip is a cost-effective and efficient linear lighting solution designed for long-run installations with minimal voltage drop. Operating directly on high voltage input (typically AC120V or AC230V), it eliminates the need for external power supplies, simplifying system design and reducing installation complexity. Its ability to support long continuous lengths makes it ideal for large-scale lighting projects. Encapsulated with protective PVC or silicone materials, the strip is IP65/IP67 rated, ensuring reliability for both indoor and outdoor environments.

SPECIFICATIONS

- 230VAC, 120VAC.
- 2700K, 3000K, 4000K, 5000K and 6000K color temps.
- Maximum run on a given lead is 50 meters (164').
- IP65, IP67.
- 56/120 LEDs per meter.
- Cuttable every 500mm (56LEDs/m) or 100mm (120LEDs/m).
- Custom lengths available - factory customization.
- Compatible with solder-free connectors.
- Premium diodes 120° viewing angle.
- Dimmable.
- 3M adhesive back.
- 90+ CRI.
- Up to 720/1425+ lumens per meter.



FEATURES

- ETL, CE, RoHS, CCC certified.
- CA Title 24: Compliant with approved drivers; consult factory for details.
- Operating Temperature: -20°C to 50°C (-4°F to 122°F)
- Storage Space Ready: Complies with NEC (NFPA 70) 410.16 requirements for closet installations.



WARRANTY

- 5-year coverage guaranteed when utilized with luzumi led approved power supply.

Note: The Warranty Period begins on the date of original shipment from our factory, the warranty covers product only and does not cover any labor or incidental charges related to service or warranty. This Warranty applies only to the original purchasers or authorized distributors.

HOW TO ORDER

Example: FR15W2835W27K120WH10A120AC

Name	Wattage/m	LED Type	Color Temp	LEDs/m	FPC Color	FPC Width(mm)	IP Rate	Voltage
FR	8W	2835	W27K	56	WH	8	A (IP65)	120AC
	15W		W30K	120	BL	10	B (IP67)	230AC
			N40K		BR			
			C60K					

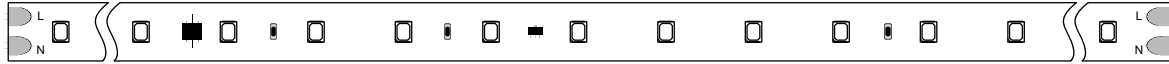
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MECHANICAL DIAGRAMS

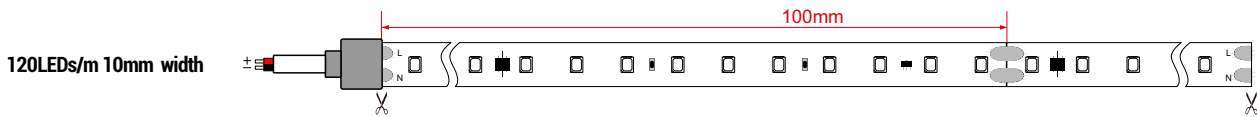
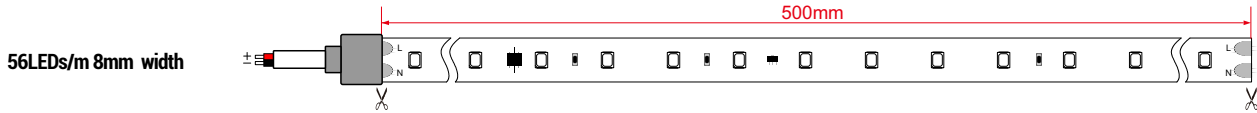
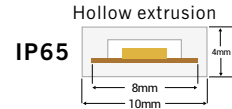
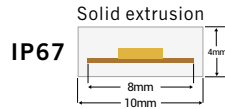


Every 28 leds(500mm)/12 leds(100mm)

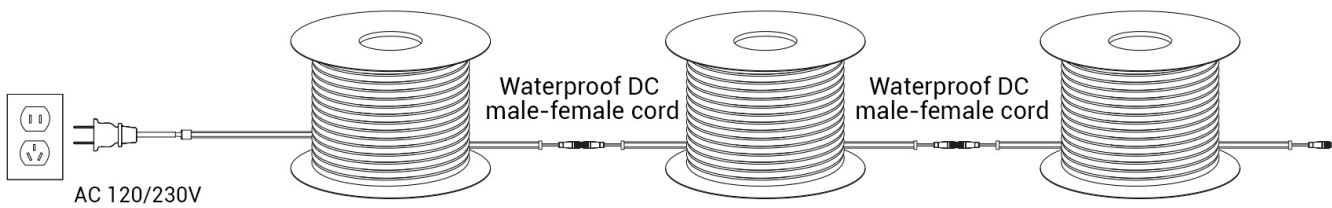
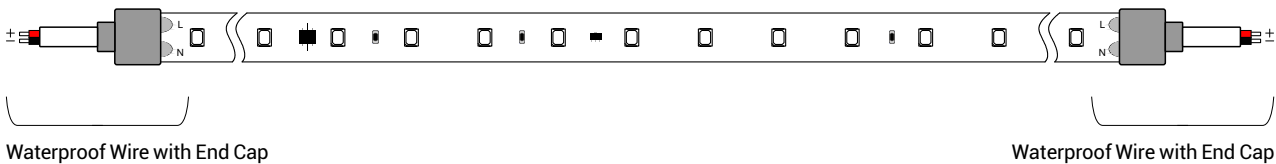
Width
0.32/0.40 in.
(8/10 mm)



Height
0.16 in.
(4 mm)

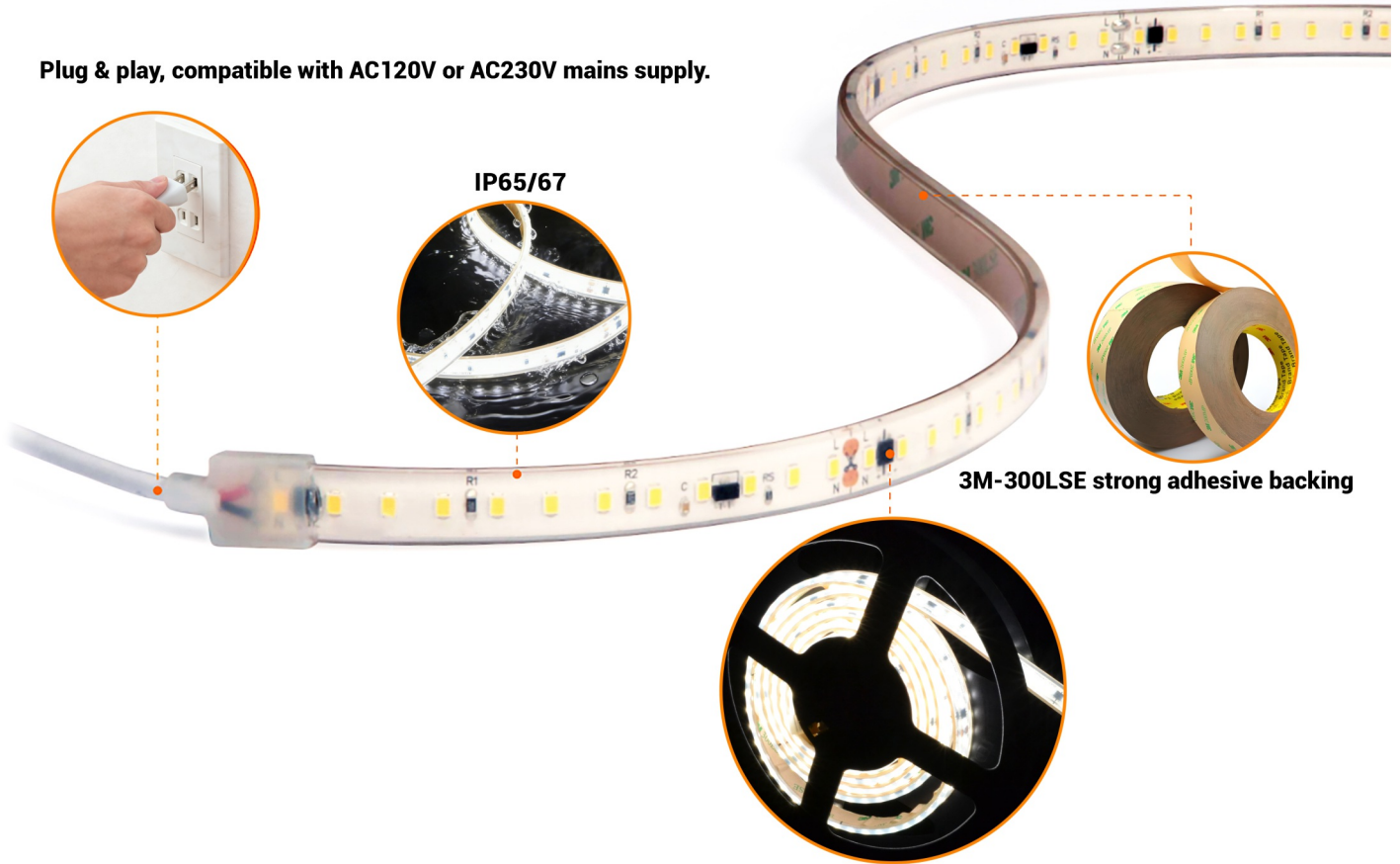


CONNECTIONS WITHOUT USING CONNECTORS






Plug & play, compatible with AC120V or AC230V mains supply.



RECOMMENDED CHANNELS

SURFACE MOUNTING

Part No.	Picture	Description	Length	Diagram(mm)
FR-MP10		Mounting Profile	13.9*6.65*1000mm	